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Modified Form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 10020/11901	APPLICATION NO. 09/136,342
	APPLICANT FORREST et al. GROUP 2100	
	FILING DATE 08/19/1998	GROUP ART UNIT 2875 1774

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
<i>Mej</i>	4,125,414	Nov. 14, 1978	Tang et al.	—	—	Mar. 13, 1978
	4,164,431	Aug. 14, 1979	Tang	—	—	May 18, 1978
	4,255,211	Dec. 31, 1979	Fraas	—	—	Dec. 31, 1979
	5,315,129	May 24, 1994	Forrest et al.	<i>257</i>	<i>21</i>	May 1, 1991
	5,457,565	Oct. 10, 1995	Namiki et al.	<i>359</i>	<i>273</i>	Nov. 18, 1993
	5,703,436	Dec. 30, 1997	Forrest et al.	<i>313</i>	<i>506</i>	Mar. 6, 1996
	5,714,838	Feb. 3, 1998	Haight et al.	<i>313</i>	<i>506</i>	Sep. 20, 1996
	<i>5,953,587</i>	<i>09/14/99</i>	<i>Forrest et al.</i>	<i>438</i>	<i>99</i>	<i>11/24/97</i>
<i>Mej</i>	<i>6,013,538</i>	<i>01/11/00</i>	<i>Burrows et al.</i>	<i>438</i>	<i>22</i>	<i>11/24/97</i>

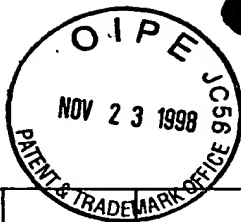
* - If appropriate

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

* - Abstract

*Marie R. Yamnitzky**01/27/00*



OTHER DOCUMENTS

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Sheet 2 of 3

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09/136, 342

Filed 08/19/98

GROUP 2100

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
MEY	FORREST et al., U.S. Patent Appln. Serial No. 136,166, "Organic Photosensitive Optoelectronic Devices With A Top-Transparent Electrode", filed August 19, 1998.
	FORREST et al., U.S. Patent Appln. Serial No. 136,377, "Stacked Organic Photosensitive Optoelectronic Devices With An Electrically Series Configuration", filed August 19, 1998.
	FORREST et al., U.S. Patent Appln. Serial No. 136,165, "Stacked Organic Photosensitive Optoelectronic Devices With An Electrically Parallel Configuration", filed August 19, 1998.
	FORREST et al., U.S. Patent Appln. Serial No. 136,164, "Organic Photosensitive Optoelectronic Devices With A Mixed-Electrical Configuration", filed August 19, 1998.
	FORREST et al., U.S. Patent Appln. Serial No. 976,666, "Method for Deposition and Patterning of Organic Thin Film", filed Nov. 24, 1997.
	FORREST et al., U.S. Patent Appln. Serial No. 977,205, "Method of Fabricating and Patterning OLEDs", filed Nov. 24, 1997.
	PARTHASARATHY et al., U.S. Patent Appln. Serial No. 054,707, "Highly Transparent Non-Metallic Cathodes", filed Apr. 3, 1998.
	PARTHASARATHY et al., U.S. Patent Appln. Serial No. 08/964,863, "A Highly Transparent Organic Light-Emitting Device Employing a Non-metallic Cathode", filed Nov. 5, 1997.
	M. HIRAMOTO et al., "Effect of Thin Gold Interstitial-layer on the Photovoltaic Properties of Tandem Organic Solar Cell", Chemistry Letters, pp. 327-330 (1990). (no month given)
	N. KARL et al., "Efficient Organic Photovoltaic Cells. The Role of Excitonic Light Collection, Exciton Diffusion to Interfaces, Internal Fields for Charge Separation, and High Charge Carrier Mobilities", Mol. Cryst. Liq. Cryst., Vol. 252, pp. 243-258 (1994). (no month given)
	G. JORGENSEN et al., "Polymers for Solar-Energy Devices", American Chemical Society, Desk Reference of Functional Polymers. Syntheses and Applications, Chapter 4.2, pp. 567-588 (1997). (no month given)
	J. KANICKI, "Polymeric Semiconductor Contacts and Photovoltaic Applications, Handbook of Conducting Polymers, Vol. 1, Chapter 17, pp. 544-660 (1986). (no month given)
	C. ARBOUR et al., "Surface Chemistries And Photoelectrochemistries Of Thin ^{Film} Molecular Semiconductor Materials", Mol. Cryst. Liq. Cryst., Vol. 183, pp. 307-320 (1990). (no month given)
	J.B. WHITLOCK et al., "Investigations of Materials and Device Structures for Organic Semiconductor Solar Cells", Optical Engineering, Vol. 32, No. 8, pp. 1921-1934 (Aug. 1993).
	S.R. FORREST et al., "Optical And Electrical Properties of Isotype Crystalline Molecular Organic Heterojunctions", J. Appl. Phys. Vol. 66, No. 12, pp. 5908-5914 (Dec. 1989).
	G. YU, et al., "Photovoltaic Cells Made With Organic Composites", Proceedings of the Future Generation Photovoltaic Technologies: First NREL Conference, March 1997, American Inst. of Physics, pp. 317-324.
	V. BULOVIC et al., "Photovoltaic Cells Based on Vacuum Deposited Molecular Organic Thin Films", Proceedings of the Future Generation Photovoltaic Technologies: First NREL Conference, March 1997, American Inst. of Physics, pp. 235-242.
	National Renewal Energy Laboratory, "Research Opportunities in Photochemical Sciences - Workshop Proceedings - Panel A-1 "Photo Electrochemical and Organic-Based Solar Cells" pp. 142-185, Estes Park, CO, Feb. 5-8, 1996, NREL/CP-450-21097, DE96007867.
MEY	G. YU et al., "Semiconducting Polymers as Materials for Device Applications", 23rd Int'l Conf. On The Physics of Semiconductors, Vol. 1, pp. 35-42, World Scientific, Berlin, Germany, Jul. 21-26, 1996.

Maie R. Yaminitzky

01/27/00

Sheet 3 of 3

09/136,342 filed 08/19/98

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
MEY		Uni-Solar® Energy Generation, http://ovonic.com/engentek.html (Jan. 26, 1998).
MEY		S.R. FORREST, "Very High Efficiency Photovoltaic Cells Based on Fully Organic Multiple Quantum Wells", National Renewable Energy Lab, Quarterly Technical Progress Report, 15 Feb. 1995 - 15 May 1995, (Mar. 1997) NREL/SR-520-21882, DE97000063.
MEY		S.R. FORREST, "Ultrathin Organic Films by Organic Molecular Beam Deposition and Related Techniques," Chemical Reviews, American Chemical Society, Vol. 97, No. 6, pp. 1793-1896, September/October 1997.

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GROUP 2100

EXAMINER	Marie R. Yamnitzky	DATE CONSIDERED	01/27/00
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
MODIFIED FORM PTO-142**
ATTY. DOCKET NO.
10020/11901

APPLICATION NO.
09/136,342

APPLICANT
FORREST et al.

FILING DATE
August 19, 1998

GROUP ART UNIT
~~2875~~ 1774

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
MEY	4,992,109	February 12, 1991	Yoshikawa et al.	136	263	—
MEY	4,281,053	July 28, 1981	Tang	430	58	—

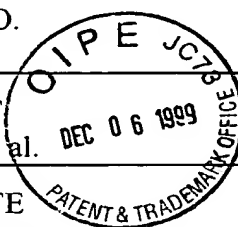
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.	
EXAMINER	<i>Marie R. Gammitzky</i>	DATE CONSIDERED <i>8/1/27/00</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO-1449	DOCKET NO. 10020/11901	SERIAL NO. 09/136,342
	APPLICANT FORREST et al.	
	FILING DATE August 19, 1998	GROUP 2879 1774



U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
MEY	4,773,944	September 27, 1988	Nath et al.	136	249	—

* - If pertinent

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						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

EXAMINER <i>Marie R. Yarnitzky</i>	DATE CONSIDERED 01/27/00
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